

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L8    | 0    | 5 and (physical noise intersperse deterministic random).clm.                              | USPAT                                      | AND              | OFF     | 2006/07/18 11:09 |
| L7    | 32   | 5 and 6   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:05 |
| S53   | 415  | (( pseudo with generat\$5) with ((time near delay\$3) or buffer))                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L6    | 496  | (( pseudo with generat\$5) with ((time near delay\$3) or buffer))                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L5    | 3057 | 1 2 3 4   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L4    | 532  | 708/250,255.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L3    | 101  | 342/131.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L2    | 178  | 327/164.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:04 |
| L1    | 2284 | 375/130,139,135,136,146,147,367.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/18 11:03 |
| S92   | 16   | (375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and (zero near crossing) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/03 10:54 |
| S83   | 16   | (375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and (zero near crossing) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/03 10:54 |
| S91   | 4    | S89 and S90   | US-PGPUB;<br>USPAT;<br>USOCR               | OR               | ON      | 2006/02/03 10:03 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S90 | 125238 | object with distance   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/02/03 10:03 |
| S89 | 11     | random adj binary adj waveform   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/02/03 10:03 |
| S88 | 5      | exor with multiplier with binary   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/02/03 10:03 |
| S87 | 58     | exor with multiplier   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/02/02 17:56 |
| S86 | 6      | ("4513386"   "4903266"   "4905176"<br>  "5251165"   "5706218"  <br>"5961577").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/02/02 17:56 |
| S85 | 48     | (szajnowski near wieslaw).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/02 17:54 |
| S84 | 4      | ((("4905176") or ("4513386"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 17:54 |
| S18 | 13     | (375/367.ccls. or 327/164.ccls. or<br>342/131.ccls.) and multipl\$8 and<br>(zero near crossing)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2006/02/02 17:53 |
| S82 | 30     | 708/255.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/06/30 09:58 |
| S81 | 0      | ("6728293").URPN.  | USPAT   | OR | OFF | 2004/11/30 11:31 |
| S80 | 28     | ("4040054"   "4435821"   "4606041"<br>  "4612652"   "4614945"  <br>"4653068"   "4843638"   "5079768"<br>  "5121407"   "5204855"  <br>"5390166"   "5400246"   "5408506"<br>  "5428602"   "5428637"  <br>"5438329"   "5517187"   "5546422"<br>  "5548582"   "5586141"  <br>"5610907"   "5659303"   "5748100"<br>  "5956621"   "6058137"  <br>"6144693"   "6188715"  <br>"RE32905").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2004/11/30 11:27 |

## EAST Search History

|     |         |   |  |    |     |                  |
|-----|---------|---|--|----|-----|------------------|
| S78 | 20      | (time with frequency with (memory or stor\$5) with transmi\$6 with receiver) and telemetry      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:25 |
| S65 | 5       | S59 and S64   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:23 |
| S64 | 580     | ((("ex" near2 "or") or "ex-or" or "exor" or "xor") with (multiplying or multiplier or multiply) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:23 |
| S62 | 2147    | ((("ex" near2 "or") or "ex-or" or "exor" or "xor") with multipl\$6                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:22 |
| S63 | 47      | S62 and S59   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:19 |
| S61 | 168     | S60 and multipl\$6  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:18 |
| S77 | 18275   | (time with frequency with (memory or stor\$5) )   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:14 |
| S76 | 10723   | (time wifh frequency with (memory or stor\$5) with transmi\$5 with receiver) and telemetry      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:14 |
| S75 | 10718   | (time wifh frquency with (memory or stor\$5) with transmi\$5 with receiver) and telemetry       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:13 |
| S74 | 5124741 | (time wifh frquency with (memory or stor\$5) with transmit\$3)                                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:13 |
| S70 | 5124741 | (time wifh frquency with (memory or stor\$5))   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:12 |
| S60 | 258     | radar and S59   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:07 |

## EAST Search History

|     |        |                                   |  |    |     |                  |
|-----|--------|-----------------------------------|--|----|-----|------------------|
| S58 | 1      | S57 and multipl\$6                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/30 11:07 |
| S73 | 2500   | S71 and S72                       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/30 11:04 |
| S72 | 119727 | S70 same receiver                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/30 11:04 |
| S71 | 10718  | telemetry and S70                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/30 11:03 |
| S69 | 49     | S68 and radar                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/30 11:02 |
| S57 | 2      | ("5153532").PN.                   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:00 |
| S1  | 2      | ("6539320").PN.                   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/11/30 11:00 |
| S68 | 332    | delay\$3 same S66                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/29 13:20 |
| S67 | 1831   | delay\$3 and S66                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/29 13:20 |
| S66 | 4587   | random with noise with generat\$6 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/29 13:19 |
| S59 | 4587   | random with noise with generat\$6 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/11/29 13:19 |

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|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| S54 | 26  | (( pseudo with generat\$5) with ((time near delay\$3) or buffer))) and radar        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 12:51 |
| S52 | 183 | (( pseudo with generat\$5) with (time near delay\$3))                               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 12:51 |
| S51 | 54  | ( pseudo with generat\$5) and (((time near delay\$3) with pseudo with correlat\$5)) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 12:51 |
| S50 | 81  | ((time near delay\$3) with pseudo with correlat\$5)                                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 11:19 |
| S49 | 19  | ((time near delay\$3) with pseudo with zero)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 11:18 |
| S48 | 0   | ((time near delay\$3) with pseudo with correlation with zero)                       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 11:16 |
| S47 | 0   | ((time near delay\$3) with pseudo with generat\$6 with correlation with zero)       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 11:16 |
| S44 | 79  | ((time near delay\$3) with pseudo with generat\$6).ab.                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 11:16 |
| S46 | 9   | "4928310".URPN.   | USPAT                                      | OR | OFF | 2004/03/18 11:11 |
| S45 | 9   | "5153532".URPN.   | USPAT                                      | OR | OFF | 2004/03/18 11:08 |
| S43 | 66  | ((time near delay) with pseudo with generat\$6).ab.                                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 10:47 |
| S42 | 58  | ((pseudo with generat\$7).ab. and delay\$3.ab.) and radar                           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 10:45 |
| S41 | 876 | (pseudo with generat\$7).ab. and delay\$3.ab.                                       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 10:24 |

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|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| S40 | 733 | (pseudo with generat\$7).ab. and delay.ab.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 10:24 |
| S39 | 2   | ((diode with pseudo) same generat\$6) and random) and (spread near spectrum)                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/18 10:23 |
| S38 | 38  | ((diode with pseudo) same generat\$6) and random) and (multipl\$7 or "xor" or "exor")                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 16:01 |
| S37 | 52  | ((diode with pseudo) same generat\$6) and random  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 16:00 |
| S36 | 92  | (diode with pseudo) same generat\$6   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 16:00 |
| S35 | 9   | "5153532".URPN.   | USPAT                                      | OR | OFF | 2004/03/17 15:59 |
| S34 | 6   | ("4097801"   "4468746"   "4613951"   "4714927"   "5214784"   "5982712").PN.                           | USPAT                                      | OR | OFF | 2004/03/17 15:52 |
| S33 | 1   | (time near delay) and (random near binary near waveform)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:51 |
| S32 | 0   | "wo near 0039643"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:49 |
| S31 | 0   | "wo near0039643"  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:49 |
| S30 | 40  | "0039643"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:49 |
| S29 | 57  | "39643"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:49 |
| S28 | 68  | ((pseudo.ab. and generat\$6.drwd.) and ("xor" or multiplier) and filter) and (pseudo or random).drwd. | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:48 |

## EAST Search History

|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| S27 | 120 | (pseudo.ab. and generat\$6.drwd.) and ("xor" or multiplier) and filter  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:34 |
| S26 | 808 | pseudo.ab. and generat\$6.drwd.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:34 |
| S25 | 16  | (SZAJNOWSKI near WIESLAW near JERZY).in.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:33 |
| S24 | 0   | (SZAJNOWSKI near WIESLAWJERZY).in.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:31 |
| S23 | 41  | ((375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and filter) and (pseudo with noise)) and generat\$6.ab. | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 15:31 |
| S22 | 85  | ((375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and filter) and (pseudo with noise)                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:54 |
| S21 | 131 | ((375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and filter) and pseudo                                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:26 |
| S20 | 214 | (375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8 and filter   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:15 |
| S19 | 354 | (375/367.ccls. or 327/164.ccls. or 342/131.ccls.) and multipl\$8  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:15 |
| S9  | 17  | ((pn or pseudo) with generat\$6).ab.) and multipl\$8 and (zero near crossing)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:15 |
| S17 | 604 | 375/367.ccls. or 327/164.ccls. or 342/131.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:14 |
| S16 | 93  | 342/131.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:14 |

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|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| S15 | 163   | 327/164.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 14:14 |
| S14 | 349   | 375/367.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 14:14 |
| S13 | 7     | ((pseudo near noise).ab.) and<br>multipl\$8 and (zero near crossing)              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 14:14 |
| S12 | 1756  | (pseudo near noise).ab.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 14:10 |
| S11 | 3     | "5847677".URPN.   | USPAT  | OR | OFF | 2004/03/17 14:06 |
| S10 | 2     | ("4049953"   "4219817").PN.   | USPAT  | OR | OFF | 2004/03/17 14:05 |
| S8  | 2     | ("6647066").PN.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 14:00 |
| S7  | 0     | "6539320".URPN.   | USPAT  | OR | OFF | 2004/03/17 14:00 |
| S6  | 6     | ("4097801"   "4468746"   "4613951"<br>  "4714927"   "5214784"  <br>"5982712").PN. | USPAT  | OR | OFF | 2004/03/17 14:00 |
| S5  | 11367 | ((pn or pseudo) with generat\$6).ab.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 13:56 |
| S4  | 6     | ((("5153532") or ("4928310") or<br>("4617530"))).PN.                              | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/17 13:06 |
| S3  | 2     | "9833075"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 13:06 |
| S2  | 7     | "9110182"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2004/03/17 13:06 |